ABSTRACT

A coordinate mutual conversion module is provided which is capable of readily utilizing a global mesh code. A zone number (I - VI) and an east-west number within a block are derived from the longitude of a requested position (S1). A block number and a south-north number are derived from the latitude of the requested position (S2). A unit number is derived from the east-west number and south-north number (S3). The value of the western end longitude of the derived unit is subtracted from the value the longitude of the position to derive the difference which is divided by 2160 seconds (S4), the resulting value is multiplied by 10 raised to n, and an integer part of the resulting value is defined to be an east-west number of a mesh (S5). The latitude of the position is subtracted from the northern end latitude of the derived unit to derive the difference which is divided by a value in seconds converted from difference A of the unit (S6), the resulting value is multiplied by 10 raised to n, and an integer part of the resulting value is defined to be a south-north number of the mesh (S7). The block number, unit number, east-west number, and south-north number are arranged in this order to create an N-code (S8).